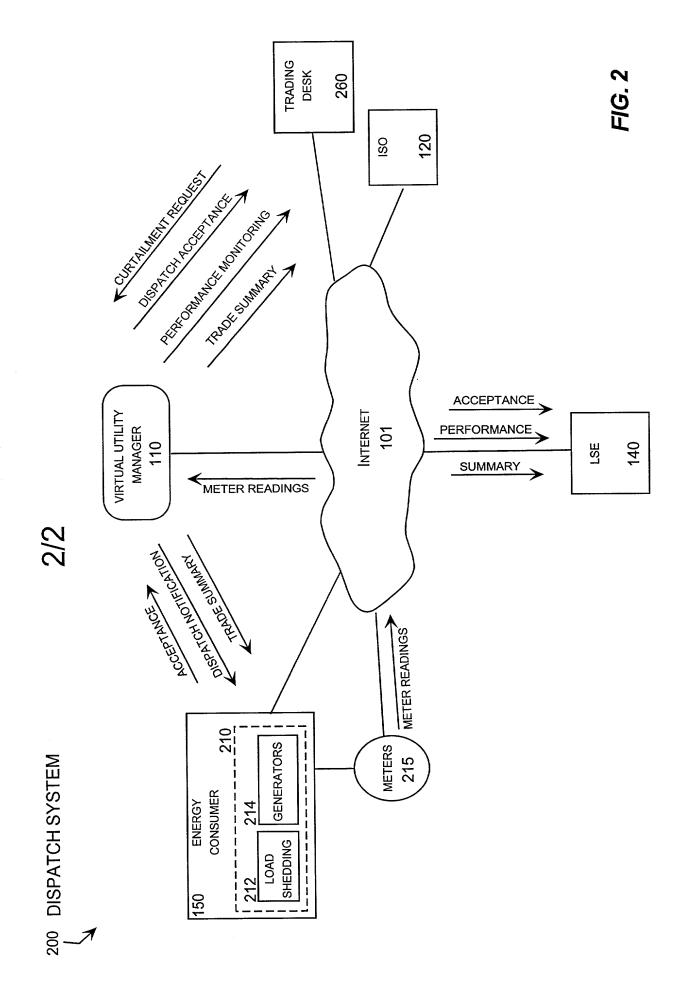
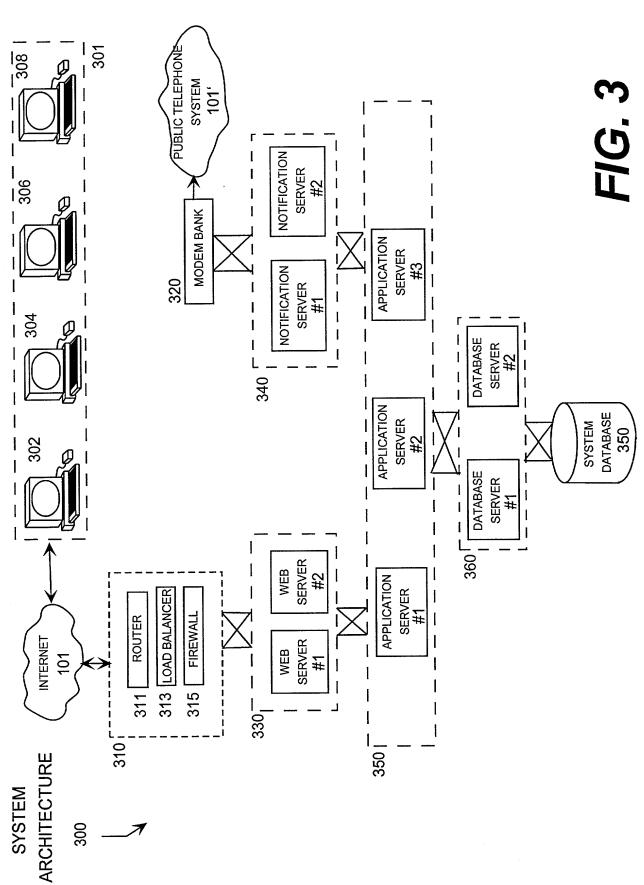
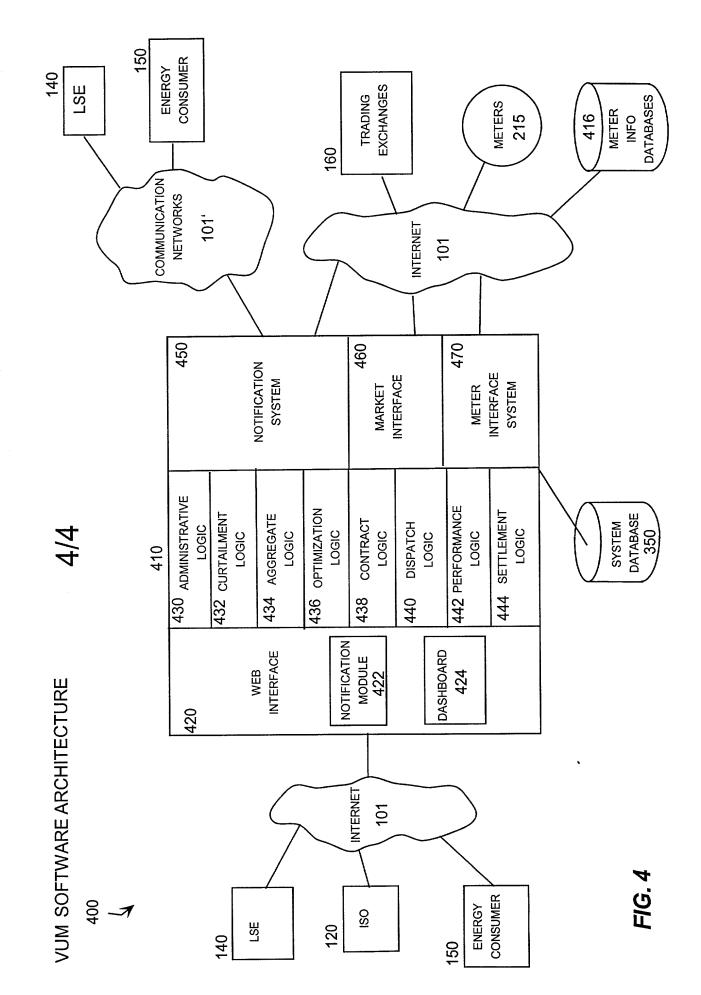


FIG. 1







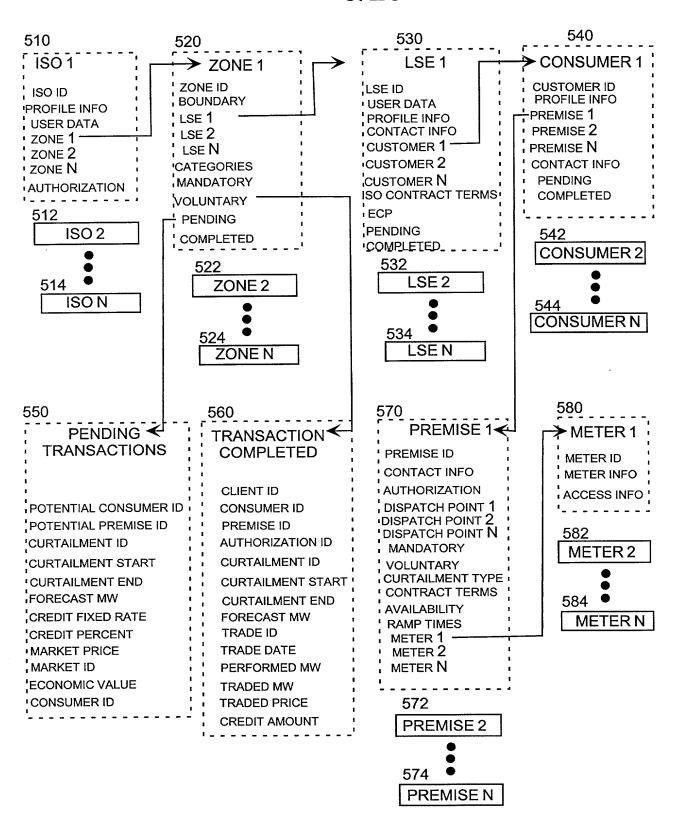


FIG. 5

# ISO/VUM

410

#### NOTIFICATION REQUEST

LSE ID
USER NAME
PASSWORD
LSE ID
PREMISE ID

CURTAILMENT ID
CURTAILMENT PERIOD START
CURTAILMENT PERIOD END

ECP

# LSE/VUM

430

## **AUTHORIZATION**

LSE ID
CONSUMER ID
PREMISE ID
USER NAME
USER PASSWORD
CURTAILMENT ID
AUTHORIZATION CODE

# VUM/CONSUMER 450

#### **NOTIFICATION REQUEST**

LSE ID
PREMISE ID
CURTAILMENT ID
CURTAILMENT PERIOD START
CURTAILMENT PERIOD END
RESPONSE TIME
ECP
ESTIMATED REMITTANCE

#### METER/VUM

470

#### **METER READINGS**

METER ID
DATE
USAGE 1
TIME 1
USAGE 2
TIME 2
USAGE N
TIME N

#### VUM/ISO

420

#### **CURTAILMENT AVAILABILITY**

ZONE ID
PREMISE ID
MANDATORY
VOLUNTARY
ECP
LEAD NOTIFICATION
LOAD SHEDDING
DIESEL GENERATION
AVAILABILITY
PERFORMANCE HISTORY

# VUM/LSE 440

# TRANSACTION SUMMARY

LSE ID
CURTAILMENT ID
CONSUMER ID
ACTUAL CURTAILMENT
MW PERFORMED
SETTLEMENT

#### CONSUMER/VUM

460

#### **AUTHORIZATION**

LSE ID
CONSUMER ID
PREMISE ID
CONSUMER USER NAME
CONSUMER USER PASSWORD
CURTAILMENT ID
AUTHORIZATION CODE

#### VUM/METER

480

## METER REQUEST

DATA BASE USER ID DATABASE PASSWORD METER ID METER DESTINATION DATE TIME FRAME COSTEST OF TECH

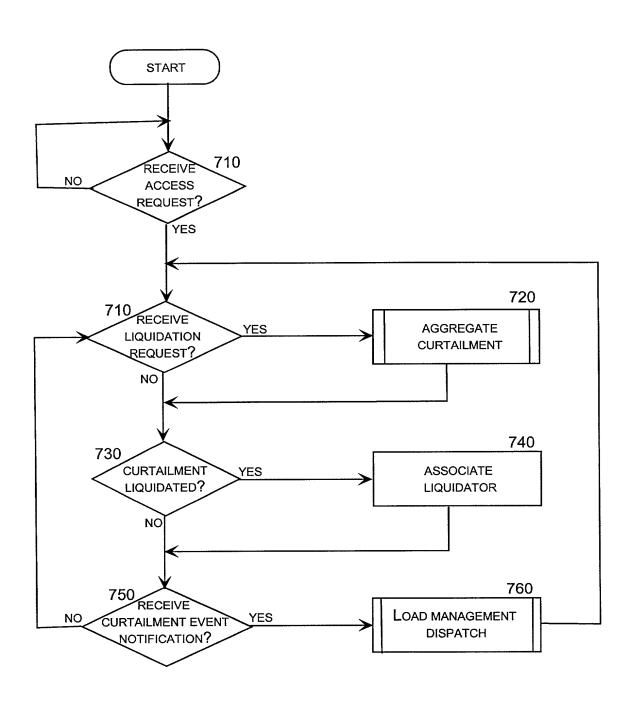


FIG. 7

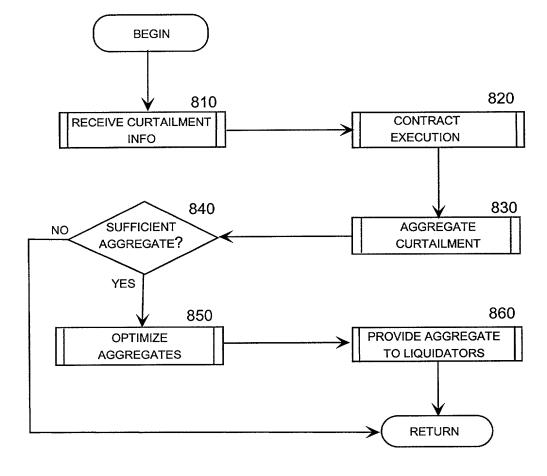


FIG. 8

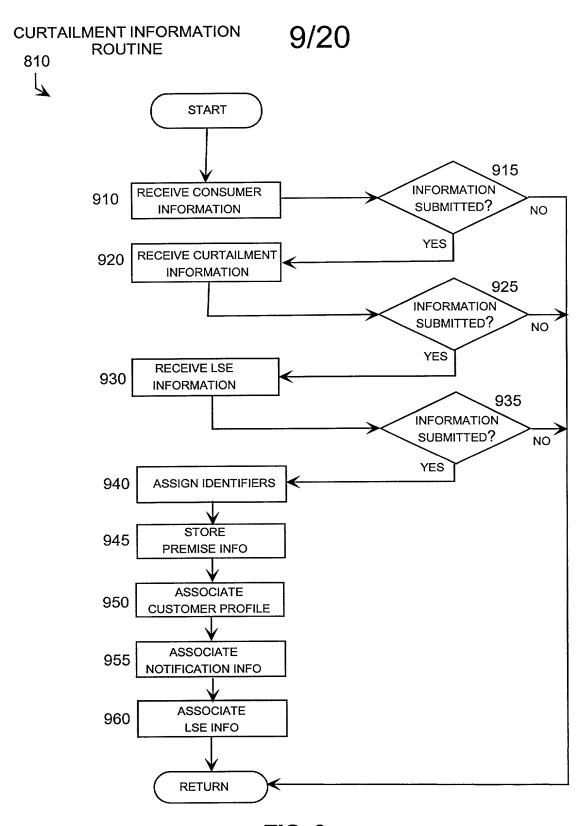


FIG. 9



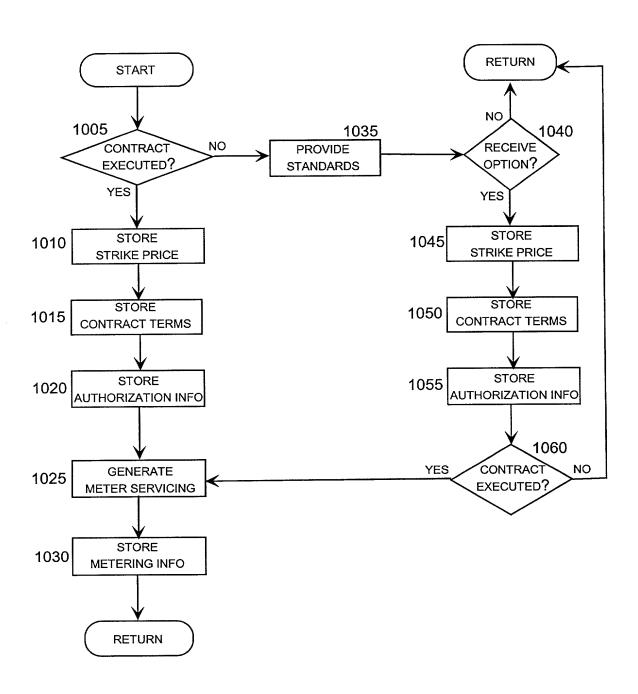


FIG. 10

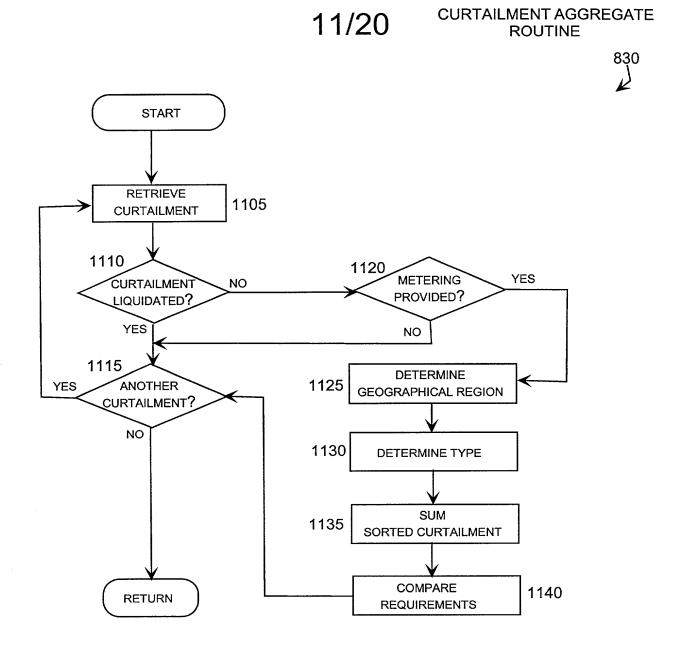
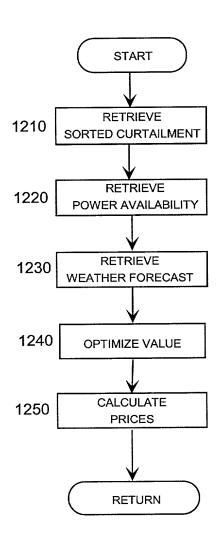


FIG. 11



# AGGREGATE LIQUIDATION ROUTINE 13/20

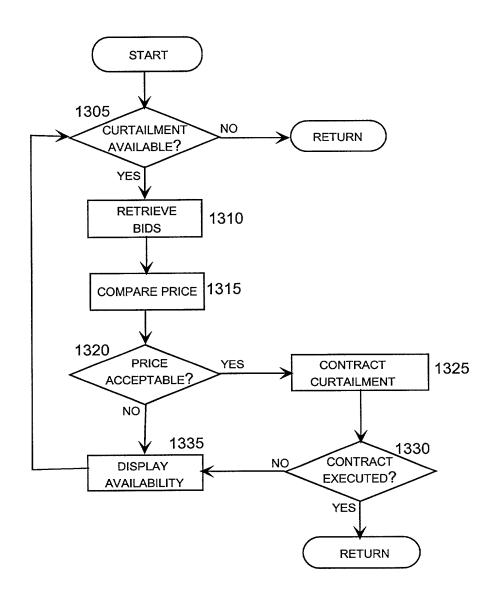


FIG. 13

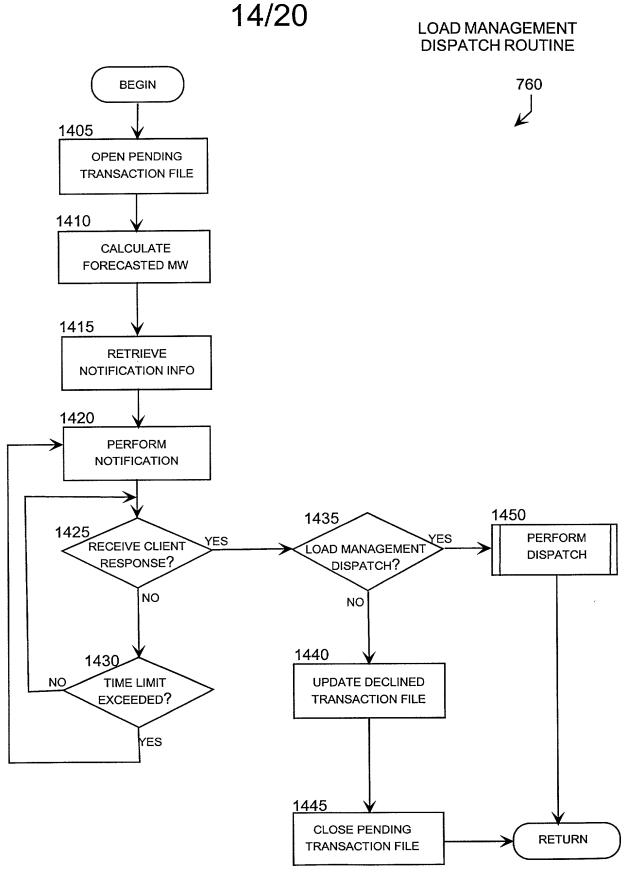


FIG. 14

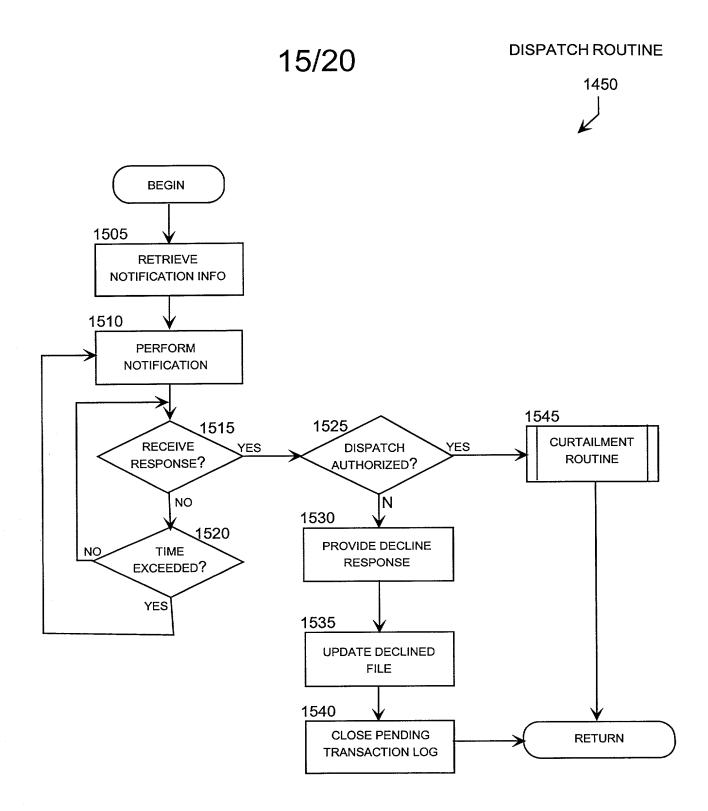
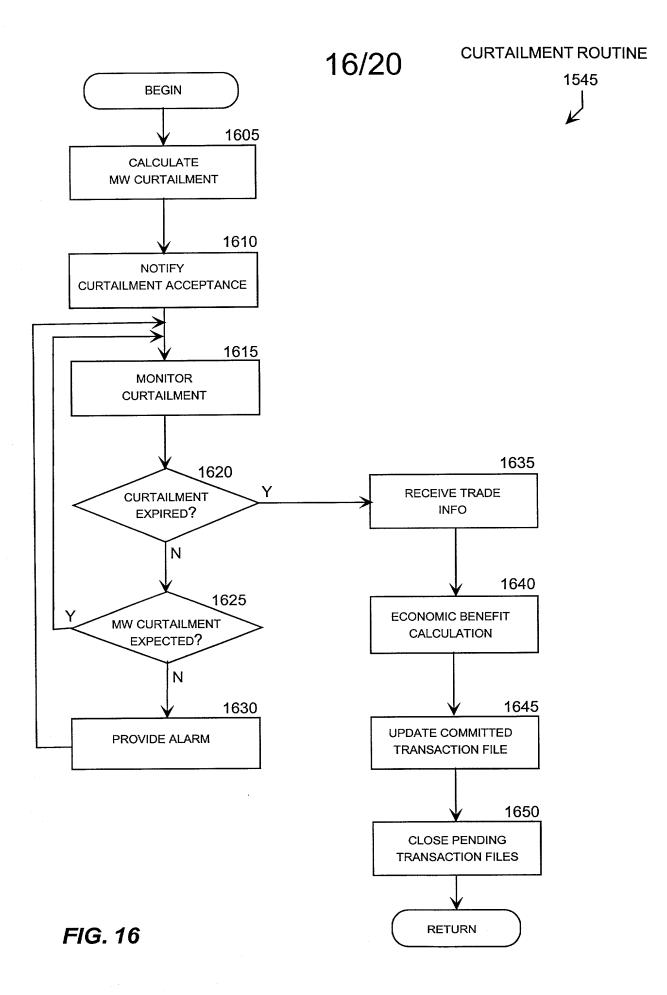


FIG. 15



17/20

|        | FILE                         | EDIT VIEW FAVO   | ORITES TOOLS HELP  |             |                         |               |                 |      |
|--------|------------------------------|--|--|-------------|-------------------------|---------------|-----------------|------|
|        | ADDRESS                      |  | 09,0) [4]  | ₽<br>BACK   | FORWARD                 | STOP REF      | REFRESH HC      | HOME |
|        | OSI                          | VIRTUAL UT   | JTILITY MANAGER  |             |                         |               |                 |      |
|        | COGO                         |  | DASHBOARD SUMMARY ——1710   |             |                         |               |                 |      |
| 1720   | LOAD CURTAIL                 | LOAD CURTAILMENT OPERATIONS                                    | PRICES DISPLAYED FOR THE DATE: THURSDAY, MAY 10, 2001  | OR THE DATE | DATE: THURSDAY, MAY 10, | MAY 10, 2001  |                 | Γ    |
| 2      | NOTIFICATION INCIDENT        | וושואלושוא   | CITY OF COLOREST OF THE COLOR OF THE COL | 1 L         | 00:000 ·IX              | CO NOW LET IN |                 | T U  |
|        | SYSTEM MES 5/10/2001         | SYSTEM MESSAGE - <u>SHOW ALL</u><br>5/10/2001 8:44 - SYSTEM OK | HOUR.MINUTE.SECOND   | \$57.41     |                         | SO 15         | INNING RESERVED |      |
|        |                              |  | 00:01:00   | - 0         |                         | 9 6           |                 |      |
| \      | PERFORM                      | - PERFORMANCE TOTALS   | 08:49:31   | \$02.78     |                         | 61.0¢         |                 |      |
| 1730/  | MWH CONTRAC                  | MWH CONTRACTED (YTD) 384                                       | 08:44:30   | \$45.00     |                         | \$0.15        |                 |      |
|        |                              | TODAY YTD  |  | \$45.00     |                         | €0.TO         |                 |      |
|        | HOURS PERFORMED MW PERFORMED |  | 08:34:30   | \$45.00     |                         | \$0.15        |                 |      |
|        |                              |  |  |             |                         |               |                 |      |
| 1740—  | PERFORMA                     | PERFORMANCE MONITOR  | <del></del>  |             |                         |               |                 | -    |
| 1742   | 7 900 1                      | CONTRACTED (MW)  |  |             |                         |               |                 |      |
| !<br>: |                              | 0.800  |  |             |                         |               |                 |      |
| 4744   |                              | AVAILABLE (MW)   |  |             |                         |               |                 |      |
| +++/-  | CLASS 1                      | 26.850<br>0.400  |  |             |                         |               |                 |      |
|        | 1                            | )<br>:   |  |             |                         |               |                 |      |
|        |                              |  |  |             |                         |               |                 |      |

FIG. 17

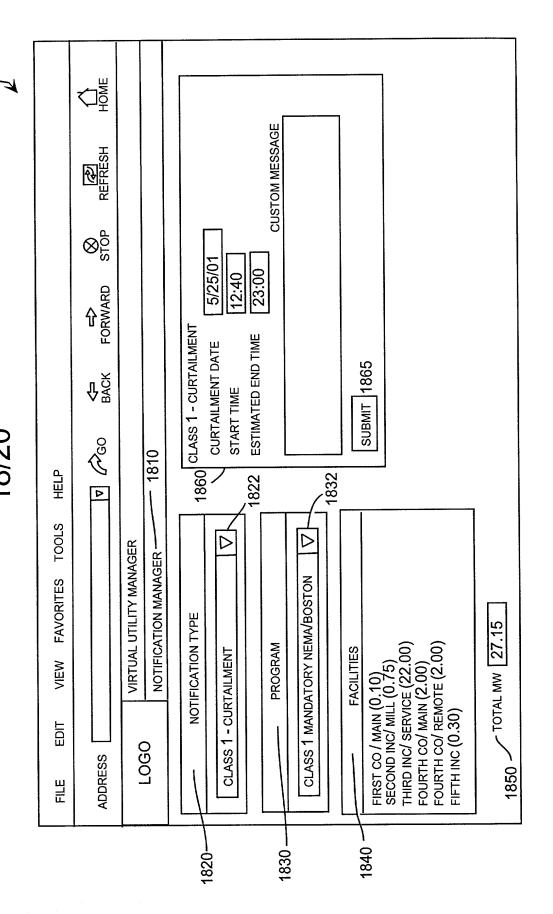
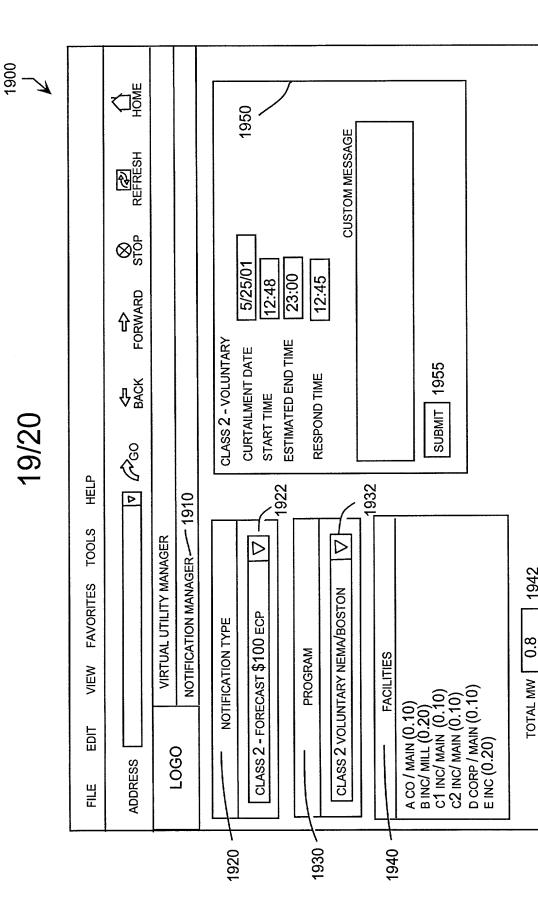


FIG. 18



TOTAL MW

